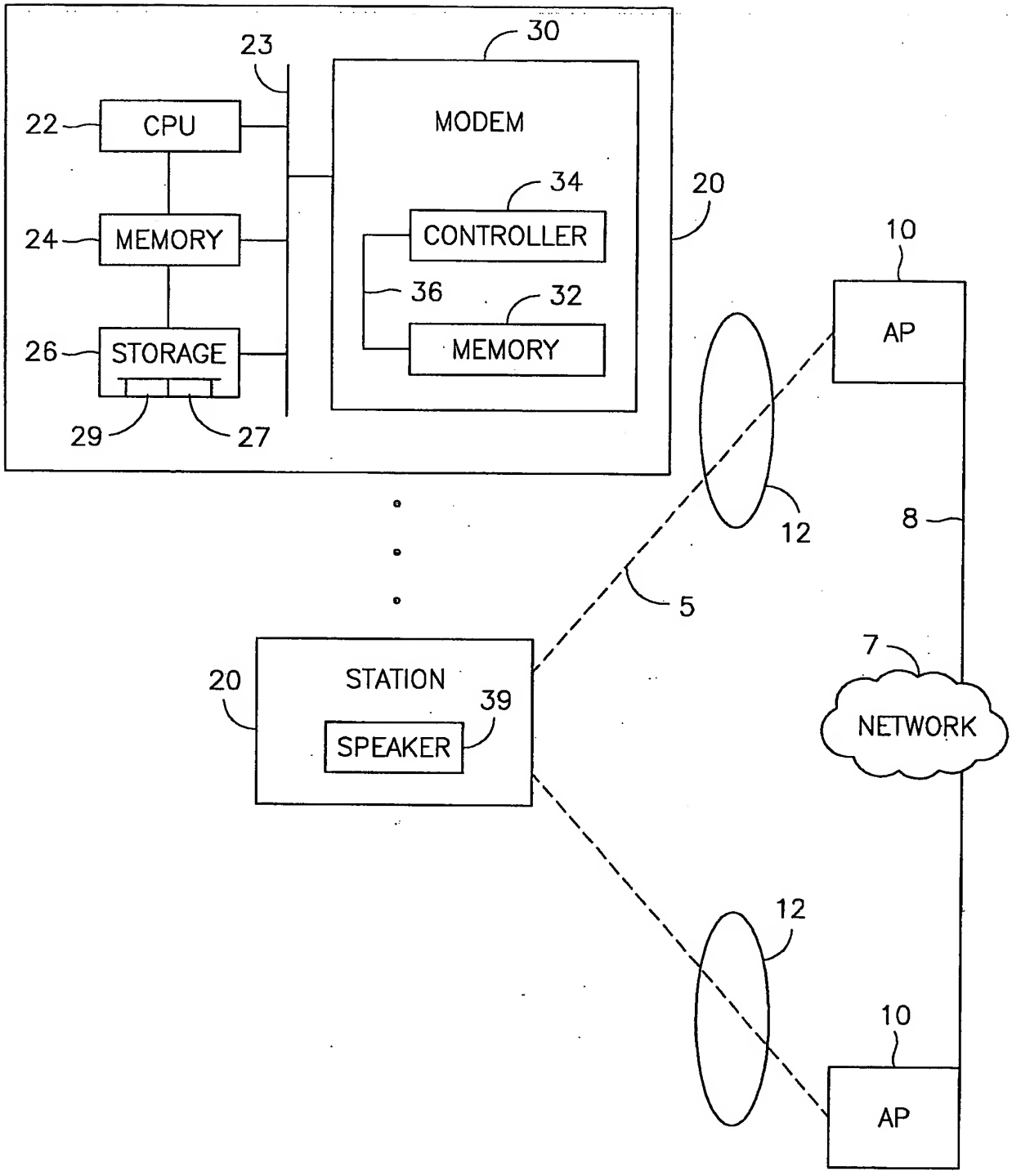

23
30
22
CPU
MODEM
34
20
24
MEMORY
CONTROLLER
10
36
32
AP
26
STORAGE
MEMORY
12
8
29
27
5
7
20
STATION
39
NETWORK
SPEAKER
12
10
AP

FIG. 1

Fig. 2

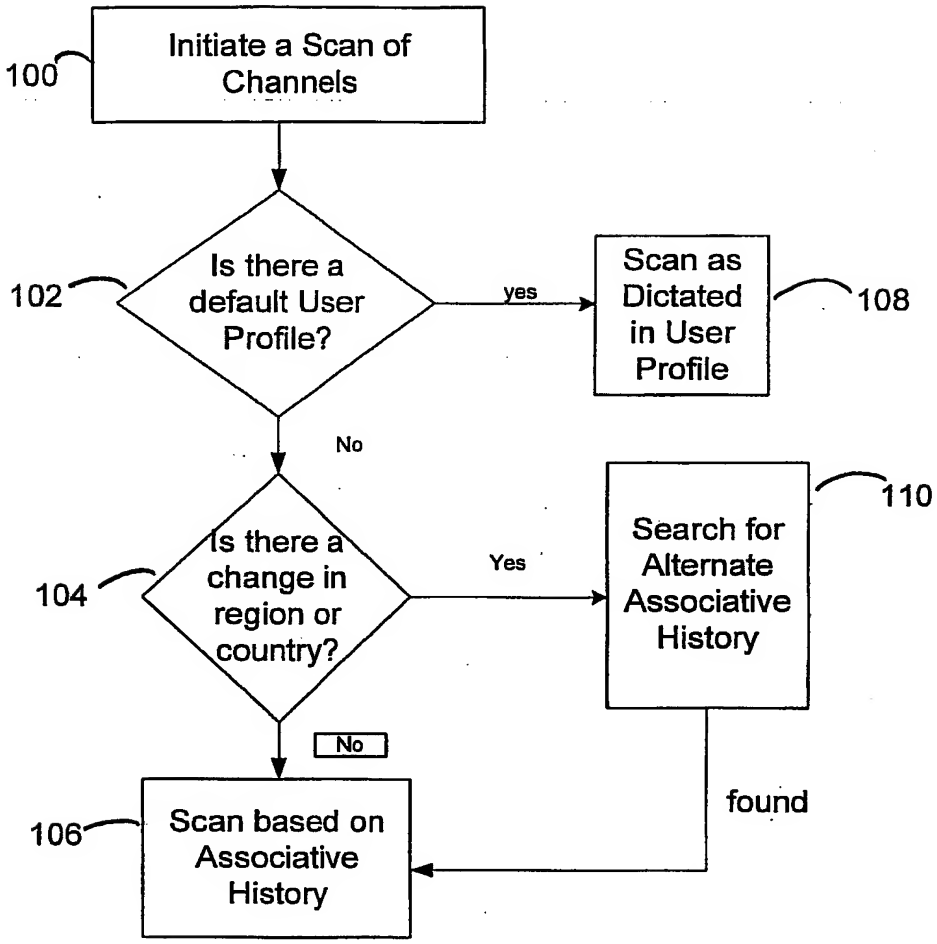

Initiate a Scan of Channels
100
Is there a default User Profile?
102
yes
Scan as Dictated in User Profile
108
No
Is there a change in region or country?
104
Yes
Search for Alternate Associative History
110
No
found
Scan based on Associative History
106

Fig. 3

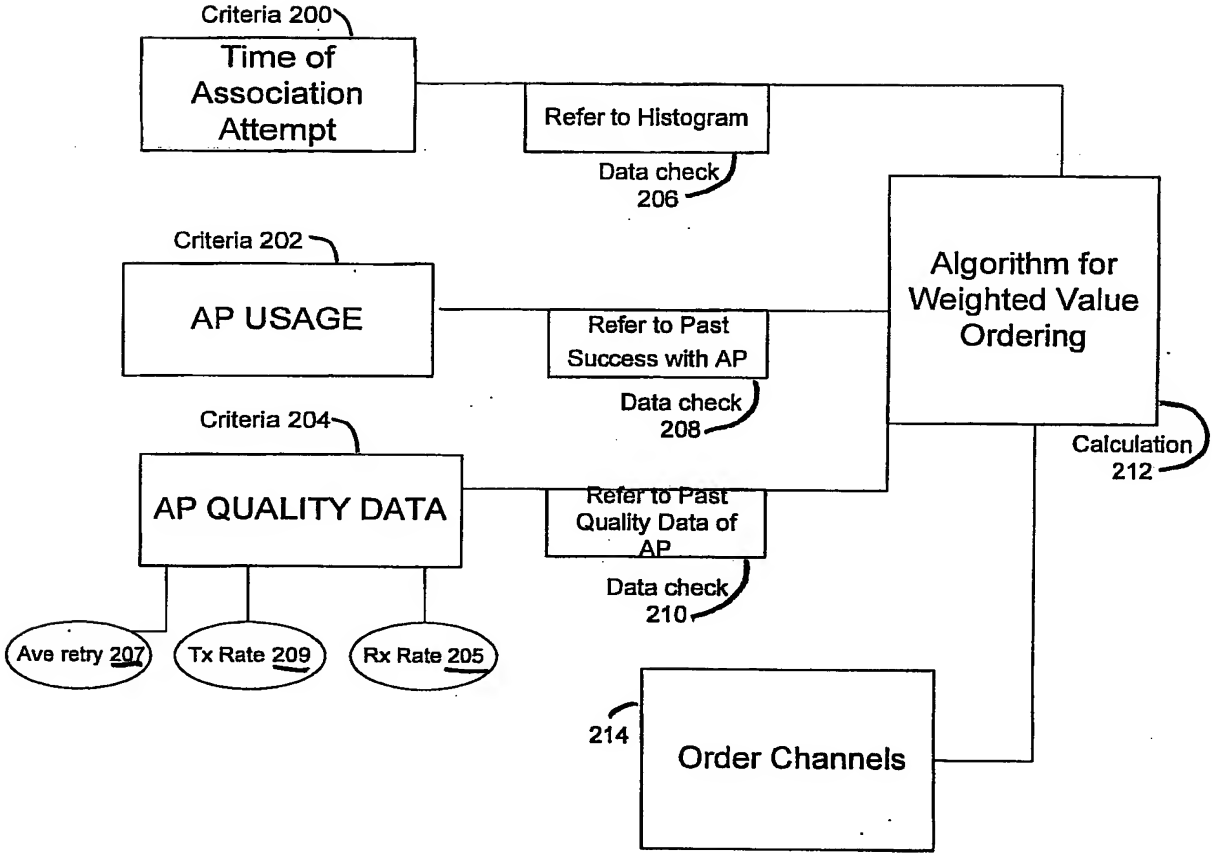
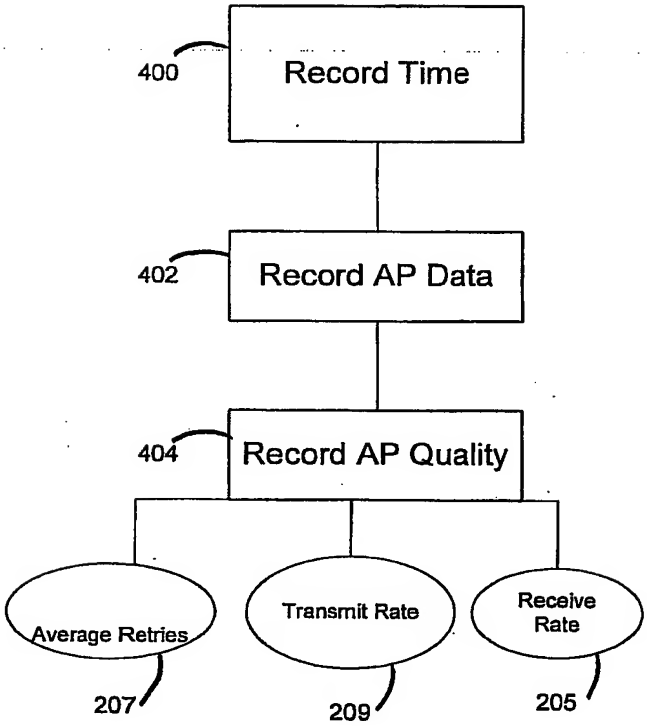

Criteria 200
Time of Association Attempt
Refer to Histogram
Data check 206
Criteria 202
AP USAGE
Refer to Past Success with AP
Data check 208
Criteria 204
AP QUALITY DATA
Refer to Past Quality Data of AP
Data check 210
Ave retry 207
Tx Rate 209
Rx Rate 205
Algorithm for Weighted Value Ordering
Calculation 212
214
Order Channels

Fig. 4


400
Record Time
402
Record AP Data
404
Record AP Quality
Average Retries
207
Transmit Rate
209
Receive Rate
205

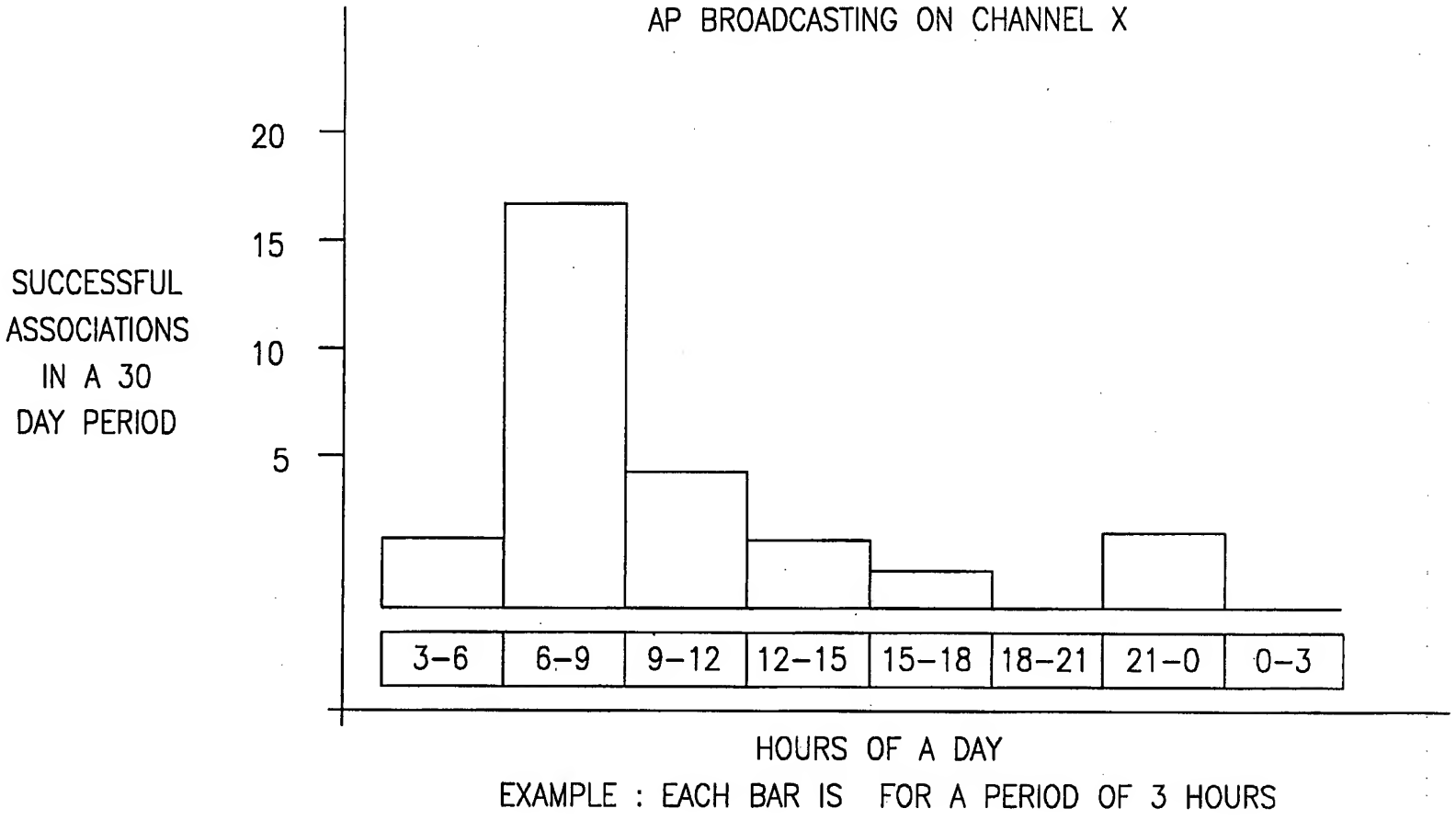

AP BROADCASTING ON CHANNEL X
SUCCESSFUL ASSOCIATIONS IN A 30 DAY PERIOD
20
15
10
5
3–6
6–9
9–12
12–15
15–18
18–21
21–0
0–3
HOURS OF A DAY
EXAMPLE : EACH BAR IS FOR A PERIOD OF 3 HOURS

FIG.5